Applicants: Israel VLODAVSKY et al Application No.: 10/789,428

Examiner: S. Mayer

IN THE CLAIMS

1.-37. (Cancelled)

- 38. (Currently Amended) A composition for the inhibition of heparanase glycosidase catalytic activity, consisting essentially of, as a first constituent, a pharmaceutically acceptable material selected from the group consisting of a carrier, a diluent, an excipient and an additive, and, as a second constituent one of eosinophil cell lysate, eosinophil secondary granules basic protein, poly-L-arginine and mixtures thereof, wherein the second constituent is present in a concentration of about from 1 to about 180 µg/ml, wherein the eosinophil secondary granules basic protein is the 117 amino acid residue of MBP (Major Basic Protein).
- 39. (Cancelled)
- 40. (Cancelled)
- 41. (Currently Amended) A composition according to claim 39, wherein said eosinophil secondary granules basic protein is provided as one of a purified recombinant protein, a fusion protein, a nucleic acid construct encoding for said protein, a host cell expressing said construct, a cell, a cell line, tissue endogeneously expressing said protein and a lysate thereof.
- 42. (Currently Amended) A method for the inhibition of heparanase glycosidase catalytic activity in a subject <u>in need thereof</u> consisting essentially of the step of administering to the subject <u>one of eosinophil cell lysate</u>, <u>a therapeutically effective amount of</u> an eosinophil secondary granules basic protein <u>and mixtures thereof</u> <u>which is the 117 amino acid residue of MBP (Major Basic Protein)</u> in a concentration of from about 1 to about 180 μg/ml.

43. (Cancelled)

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- 44. (Cancelled).
- 45. (Currently Amended) The method according to claim 43, wherein the eosinophil secondary granules basic protein is provided as any one of a purified recombinant protein, a fusion protein, a nucleic acid construct encoding for said protein, a host cell expressing said eonstruct, a cell, a cell line and a tissue endogeneously expressing said protein or a lysate thereof.
- 46. (Currently Amended) Method for preparation of a composition for the inhibition of heparanase glycosidase catalytic activity consisting essentially of the step of formulating a first constituent composed of a pharmaceutically acceptable material selected from the group counting consisting of a carrier, a diluent, an excipient and an additive with a second constituent composed of one of cosinophil cell lysate, an cosinophil secondary granules basic protein, and mixtures thereof which is the 117 amino acid residue of MBP (Major Basic Protein) in a concentration of from about 1 to about 180 μg/ml.
- 47. (Cancelled)
- 48. (Currently Amended) The method according to claim 46, wherein the eosinophil secondary granules basic protein is one of a purified recombinant protein, a fusion protein, a nucleic acid construct encoding for said protein, a host cell expressing said construct, a cell, a cell line, a tissue endogeneously expressing said protein and a lysate thereof.
- 49. (Currently Amended) A method for the inhibition of heparanase glycosidase catalytic activity consisting essentially of the step of contacting cells having heparanase glycosidase catalytic activity with one of eosinophil cell lysate, an eosinophil secondary granules basic protein and mixtures thereof which is the 117 amino acid residue of MBP (Major Basic Protein) in a concentration of from about 1 to about 180 μg/ml.